

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re reissue patent application of

Masahiro IWADARE

Serial No: Not Yet Assigned

Application for reissue of U.S. Patent No.  
5,218,561, granted June 8, 1993

Filed: Herewith

For: FAST CALCULATION APPARATUS FOR CARRYING OUT A FORWARD  
AND AN INVERSE TRANSFORM

**REISSUE DECLARATION UNDER 37 C.F.R. §1.175**

Commissioner for Patents  
Box: REISSUE PATENT APPLICATION  
Alexandria, Virginia 22313-1450

Sir:

I, Masahiro IWADARE declare that:

1. I believe I am the original, first inventor of the subject matter described and claimed in my U.S. Patent 5,218,561 and in the foregoing specification for which a reissue patent is sought on the invention entitled FAST CALCULATION APPARATUS FOR CARRYING OUT A FORWARD AND AN INVERSE TRANSFORM.

2. I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to in this declaration.

3. I acknowledge the duty to disclose information which is material to examination of the application in accordance with 37 C.F.R. §1.56(a).

4. I claim benefit under 35 U.S.C. § 119 of the following Japanese applications:  
Japanese Patent Applications:

No. 2-151662 filed June 12, 1990

5. U.S. Patent No. 5,218,561 may be wholly or partly inoperative because my patent claims more than I had a right to claim in light of newly discovered prior art and because the my patent provides less specific claim coverage in the form of dependent claims than I had a right to claim.

6. At least one error was not to include the amendments 1 and 7 as contained in the Preliminary Amendment filed concurrently herewith.

7. At least one error was not to include claims with the scope of new claims 13-29 as contained in the Preliminary Amendment filed concurrently herewith.

8. All errors that are being corrected up to the time of the filing of the Declaration in this reissue application arose without any deceptive intent on our part.

WHEREFORE, we pray that we may be allowed to surrender the original Letters Patent 5,218,561 and do hereby offer same.

APPLICANTS HEREBY APPOINT the registered attorneys and agents at Customer Number 22428

FOLEY & LARDNER  
Customer Number: 22428

**\*22428\***

**22428**

PATENT TRADEMARK OFFICE

to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith, and requests that all correspondence be sent to FOLEY & LARDNER, 3000 K Street, N.W., Suite 500, Washington, DC 20007-5109 at (202) 672-5300.

The undersigned Applicant declares that all statements made herein of our own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

**Masahiro IWADARE**Signature Masahiro Iwadare Date: July 16/2003

Residence:

c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo, JapanPost Office Address: Same as aboveCitizenship: Japan

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Masahiro IWADARE  
Title: FAST CALCULATION  
APPARATUS FOR CARRYING  
OUT A FORWARD AND AN  
INVERSE TRANSFORM  
Appl. No.: Application for reissue of U.S.  
Patent No. 5,218,561, granted June  
8, 1993  
Examiner: Unassigned  
Art Unit: Unassigned

**CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

NEC CORPORATION, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor of the patent identified above. The assignment was recorded in the U.S. Patent and Trademark Office at Reel 5781, Frame 056 on July 12, 1991 and a copy thereof is attached.

The undersigned is empowered to sign this certificate on behalf of the assignee.

NEC CORPORATION

Date: July 25, 2003

By: 